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**Your Full-Service
Internet
Communications
Company**

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

RE: WT Docket No. 11-49

Mercury Network is an Internet service provider that provides wireless broadband services to customers in Mid-Michigan and Northeast Wisconsin. We utilize several unlicensed bands to deliver service to our customers, but the 900 MHz band is especially important to us. As the lowest frequency band we use, it is able to penetrate through trees and obstructions better than any other frequency band we use. We have approximately 1,250 customers who are served with Cambium (formerly Motorola) Canopy equipment in the 900 MHz band. Without this frequency band, our signals would not reach and we could not provide Internet service to these 1,250 customers.

I am familiar with the joint test report that WISPA and Progeny prepared and submitted to the FCC and the results are very alarming. The tests showed massive interference. It's important to understand that interference does NOT simply cause a linear loss of capacity. Interference causes packet loss, packet retransmission that reduces capacity even further, loss of reliability (incomplete web page downloads, long pauses, and buffering of streaming services), and loss of coverage (inability to reach customers further from the AP because the interference completely overwhelms distant customer's weaker signals). To have such interference in our service area would have immediate and devastating effects on our service and our customers. With no other frequency band to use to reach these customers, they will lose service and move from "served" to "unserved."

For the sake of our customers and our business, I hope the FCC understands the overwhelming and unacceptable interference Progeny will cause. Please deny approval for Progeny to operate its network in the 902-928 MHz band.

Respectfully,

David Sovereign
President